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(71) Applicant (for all designated States except US): KONIN-KLIJKE PHILIPS ELECTRONICS N.V. [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

(72) Inventors; and

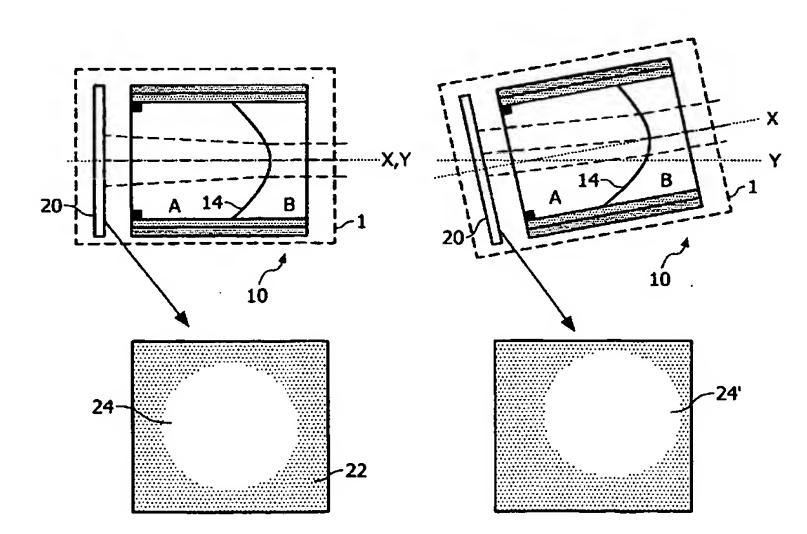
(75) Inventors/Applicants (for US only): HENDRIKS, Bernardus, H., W. [NL/NL]; c/o Philips Intellectual

Property, & Standards, Cross Oak Lane, Redhill Surrey RH1 5HA (GB). KUIPER, Stein [NL/NL]; c/o Philips Intellectual Property, & Standards, Cross Oak Lane, Redhill Surrey RH1 5HA (GB).

- (74) Agents: WHITE, Andrew, G. et al.; c/o Philips Intellectual Property, & Standards, Cross Oak Lane, Redhill Surrey RH1 5HA (GB).
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(54) Title: METHOD FOR DETECTING AN ORIENTATION OF A DEVICE AND DEVICE HAVING AN ORIENTATION DE-**TECTOR** 



(57) Abstract: The present invention discloses a method for detecting an orientation of a device (1) with respect to a direction of an acceleration force and a device (1) comprising an optical device (10) comprising a first liquid (A) and a second liquid (B), said liquids (A; B) being immiscible, having different refractive indices and different densities and being in contact with each other via an interface (14), a sensor (20) comprising a grid of pixels (22), the sensor (20) being arranged to sense an image captured by the optical device (10) on a subset (24, 24') of the grid of pixels (22); and calculating means (30) for calculating an orientation of the device (1) with respect to a direction of an acceleration force from the position of the subset (24, 24') on the grid (22). Consequently, the orientation of the device (1) with respect to the direction of an acceleration force such as gravity can be obtained without mechanically moving parts.

5/071359

# WO 2005/071359 A1

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